

Theory discussion, physics case

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Zh sub % ... (HFactory), M_{NP} about several TeV.
triple H 10% (pp), EW phase transition

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Dark matter (WIMP)

pp: $wino > 3\text{TeV}$, higgsino: 800 GeV...

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Naturalness:

HFactory/Z: M_{stop} about TeV, neutral top partner

pp: A factor 5+ beyond LHC reach: stop/T'/resonances

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Challenges:

SM predictions, jets, top PDF...

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New frontier, unprecedented reach: SUSY, composite, etc.

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